The test cases are executed using **JUnitCore** class. JUnitCore is a facade for running tests. It supports running JUnit 4 tests, JUnit 3.8.x tests, and mixtures. To run tests from the command line, run java org.junit.runner.JUnitCore <TestClass>. For one-shot test runs, use the static method runClasses(Class[]).

Following is the declaration for org.junit.runner.JUnitCore class:

```
public class JUnitCore extends java.lang.Object
```

Here we will see how can we execute the tests with the help of JUnitCore.

Create a Class

• Create a java class to be tested say MessageUtil.java in C:\ > JUNIT_WORKSPACE

```
/*
 * This class prints the given message on console.
 */
public class MessageUtil {
    private String message;
    //Constructor
    //@param message to be printed
    public MessageUtil(String message){
        this.message = message;
    }
    // prints the message
    public String printMessage() {
        System.out.println(message);
        return message;
    }
}
```

Create Test Case Class

- Create a java test class say TestJunit.java.
- Add a test method testPrintMessage() to your test class.
- Add an Annotaion @Test to method testPrintMessage().
- Implement the test condition and check the condition using assertEquals API of Junit.

Create a java class file name TestJunit.java in C:\ > JUNIT_WORKSPACE

```
import org.junit.Test;
import static org.junit.Assert.assertEquals;
public class TestJunit {

   String message = "Hello World";
   MessageUtil messageUtil = new MessageUtil(message);

   @Test
   public void testPrintMessage() {
      assertEquals(message,messageUtil.printMessage());
   }
```

Create Test Runner Class

Next, let's create a java class file name TestRunner.java in C:\ > JUNIT_WORKSPACE to execute Test case(s) which import the JUnitCore class and uses the runClasses() method which take the test class name as parameter.

Compile the Test case and Test Runner classes using javac

```
C:\JUNIT_WORKSPACE>javac MessageUtil.java TestJunit.java TestRunner.java
```

Now run the Test Runner which will run test case defined in provided Test Case class.

```
C:\JUNIT_WORKSPACE>java TestRunner
```

Verify the output.

```
Hello World true
```